B.K. BIRLA CENTRE FOR EDUCATION

SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

GRADE XII

PRE-BOARD 1

Blueprint and Syllabus

(17.11.26 – 27.11.26)

ENGLISH CORE (301)

		MCQ/ VSAQ 1	VSAQ 2	LAQ 4	VLAQ 5	TOTAL
Reading	Two unseen Passages	14	4			22
Writing	Notice Formal/Informal Invitation & Reply, Letter Writing, Article Report Writing			2	2	18
Literature	**PROSE:** The Last Lesson Lost Spring Deep Water The Rattrap Indigo Interview Poets and Pancakes Going Places **POETRY:** My Mother at 66 Keeping Quiet A Thing of Beauty A Roadside Stand Aunt Jennifer's Tiger **SUPPLEMENTARY:** The Third Level The Tiger King Journey to the End of the Earth The Enemy Memories of Childhood On the face of it	6+4+6	5+2		2	40
	TOTAL	30	22	8	20	80

MATHEMATICS

No.	Units	Marks
I.	Relations and Functions	08
II.	Algebra	10
III.	Calculus	35
IV.	Vectors and Three-Dimensional Geometry	14
V.	Linear Programming	05
VI.	Probability	08
	Total	**80**

APPLIED MATHEMATICS

No.	Units	Marks
I.	Number Quantification and Numerical Application	11
II.	Algebra	10
III.	Calculus	15
IV.	Probability Distribution	10
V.	Inferential Statistics	05
VI.	Time Based Data	06
VII	Financial Mathematics	15
VIII	Linear Programming	08
	Total	**80**

PHYSICS

		Total (Marks)
UNIT -I	**Electrostatics** Ch-1. Electric fields and charges Ch-2. Electrostatic potential and capacitance	**16**
UNIT -II	**Current electricity** Ch-3. Current electricity	

UNIT -III	**Magnetic Effects of Current and Magnetism** Ch-4. Moving charges and magnetism CH-5. Magnetism and matter	**17**
UNIT -IV	**Electromagnetic Induction and Alternating Currents** Ch-6. Electromagnetic Induction Ch-7. Alternating Currents	
UNIT -V	**Electromagnetic Waves** Ch-8. Electromagnetic Waves	**18**
UNIT -VI	**Optics** Ch-9. Ray Optics and optical instruments Ch-10. Wave optics	
UNIT -VII	**Dual Nature of Radiation and Matter** Ch-11. Dual Nature of Radiation and Matter	**12**
UNIT -VIII	**Atoms and Nuclei** Ch-12. Atoms Ch-13. Nuclei	
UNIT - IX	**Electronic Devices** Ch-14. Semiconductor Electronics: Materials, Devices and Simple Circuits	**7**
TOTAL		**70 Marks**

CHEMISTRY

Chapters	Passage type(4)	MCQ(1)	ASSERTION/REASON	SA TYPE(2)	S A TYPE(3)	LA TYPE(5)	Total
1.Solution	1				1		**2 (7)**
2.Electrochemistry		1			1	1Or 1	**3(9)**
3.Chemical kinetics		1	1	1or 1	1		**4(7)**
4.d-f block elements		1	1			1Or 1	**3 (7)**
5.Co-ordination compound		2		1	1or 1		**4 (7)**
6. Halo alkane and Halo arene	1	2					**3 (6)**
7. Alcohol Phenol and Ether		3			1		**4 (6)**
8. Aldehyde Ketone and Carboxylic Acid		1		1		1Or1	**3(8)**
9. Amines		1		1	1		**3 (6)**
10. Biomolecules		2		1	1		**4 (7)**
TOTAL	**2(8)**	**14(14)**	**2(2)**	**5(10)**	**7(21)**	**3(15)**	**33 (70)**

ECONOMICS

Section-A Macro Economics					
Unit name	**1 mark**	**3 Marks**	**4 Marks**	**6 marks**	**Total**
National Income	1(1)	3(1)		6 (1)	10

Money and Banking	1(2)	---	4 (1)		6
Income determination	1(4)	---	4 (2)		12
Government Budget	---	---	---	6 (1)	6
Balance of Payment	1(3)	3(1)	---		6
Section A	**10 x 1=10**	**2 x 3=6**	**3 x 4=12**	**2 x 6=12**	**40**
Section- B Indian Economic Development					
Development Experience and Economic Reforms	1(3)	3(1)		6(1)	12
Current Challenges facing Indian Economy	1(3)	3(1)	4(2)	6(1)	20
Development Experience of India	1(4)		4(1)		8
Section B	**10 x 1=10**	**2 x 3=6**	**3 x 4=12**	**2 x 6=12**	**40**
Total	**20 x 1=20**	**4 x 3=12**	**6 x 4=24**	**4 x 6=24**	**34(80)**

ACCOUNTANCY

CHAPTER NO.	NAME OF CHAPTERS	MARKS (NUMBER OF QUESTIONS)				TOTAL MARKS
		1 Mark MCQ & ARQ	3 Marks SATQ –I	4Marks SATQ-II	6 Marks LATQ	
1	Partnership Fundamental	1	1			4
2	Goodwill	2	1			5
3	Change in PSR	2	1			5
4	Admission of a Partner	2			1	8
5	Retirement and Death of a Partner	2		1		6
6	Dissolution of a Partnership firm	2			1	8
7	Issue of Share	3		1	1	13
8	Issue of Debenture	2	1		1	11
9	Financial Statement Analysis	1	1			4
10	Accounting Ratios	2	1	1		9
11	Cash Flow Statement	1			1	7
	TOTAL	**20**	**18**	**12**	**30**	**80**

BUSINESS STUDIES

Sr. No	Chapter /Unit	Topic	1 Mark (MCQ) & (ARQ)	3 Marks (SATQ – I)	4 Marks (SATQ-II)	6 Marks (LATQ)	Total
1	1	Nature and Significance of Management	**1**		**1**		**5**
2	2	Principles of Management				**1**	**6**
3	3	Business Environment	**2**	**1**			**5**
4	4	Planning		**1**	**1**		**7**
5	5	Organising	**1**			**1**	**7**
6	6	Staffing	**2**		**1**		**6**
7	7	Directing	**1**	**1**	**1**		**8**
8	8	Controlling	**2**		**1**		**6**
9	9	Financial Management	**4**		**1**		**8**
10	10	Financial Market	**1**			**1**	**7**
11	11	Marketing Management	**2**	**1**		**1**	**11**
12	12	Consumer Protection	**4**				**4**
		TOTAL	**20**	**12**	**24**	**24**	**80**

BUSINESS ADMINISTRATION

Sr. No	Chapter /Unit	Topic	1 Mark (MCQ) & (ARQ)	2 Marks (SATQ – I)	2 Marks (SATQ-II)	5 Marks (LATQ)	Total
	PART A	**EMPLOYABILITY SKILL (7 MARKS)**					
	1	**Communication Skills – IV**	**1**		**1**		**2**
	2	**Self- Management Skills-IV**	**2**		**1**		**3**
	3	**Information and Communication Technology Skills-IV**	**1**		**1**		**2**
	4	**Entrepreneurial Skills-IV**	**1**		**1**		**2**
	5	**Green Skills-IV**	**1**		**1**		**2**
		TOTAL QUESTIONS	**6**		**5**		**11**

		NO. OF QUESTIONS TO BE ANSWERED	ANY 4		ANY 3		ANY 7
		TOTAL MARKS	1 x 4 = 4		2 x 3 = 6		10 Marks
	PART B	SUBJECT SPECIFIC SKILLS (18 MARKS)					
	1	Introducing to management	4			1	5
	2	Concept of management	6	1	1		8
	3	Functions of management - Communication - Motivation - Leadership	16	3	2	1	22
	4	Social responsibility of business	3		1	1	5
	5	Information technology & business	3		1	1	5
		TOTAL QUESTIONS	32	4	5	4	45
		NO. OF QUESTIONS TO BE ANSWERED	26	ANY 3	ANY 3	ANY 3	34
		TOTAL MARKS	1 x 26 = 26	3 x 2 = 6	3 x 2 = 6	5 x 3 = 12	50 Marks

ENTREPRENEURSHIP

Sr. No	Chapter/ Unit	Topic	1 Mark (MCQ) & (ARQ)	2 Marks (SATQ – I)	3 Marks (SATQ-II)	5 Marks (LATQ)	Total
1	UNIT 1	Entrepreneurial Opportunities	2			1	1
2	UNIT 2	Entrepreneurial planning	3	1	1	1	13
3	UNIT 3	Entreprise Marketing	3	1	1	1	13
4	UNIT 4	Entreprise Growth Strategies	4	1	1	1	14
5	UNIT 5	Business Arithmetic	3	1	1		8
6	UNIT 6	Resource Mobilisation	3	2	1	1	15
		TOTAL	18	12	15	25	70

POLITICAL SCIENCE

CHAPTER NO.	NAME OF CHAPTERS	MARKS (NUMBER OF QUESTIONS)					TOTAL MARKS
		1(MCQ'S)	2(Short Answer)	4(Short Answer)	4 (Case	6(Long Answer	

					Study)		
1	THE END OF BIPOLARITY	1	1		1		7
2	CONTEMPORARY CENTRES OF POWER	1	1				3
3	CONTEMPORARY SOUTH ASIA	1	1		1		7
4	INTERNATIONAL ORGANIZATIONS	1	1				3
5	SECURITY IN THE CONTEMPORARY WORLD	1	1				3
6	ENVIRONMENT AND NATURAL RESOURCES	1	1			1	9
7	GLOBALISATION	1		1			5
8	CHALLENGES OF NATION BUILDING	1		1			5
9	ERA OF ONE-PARTY DOMINANCE	1		1			5
10	POLITICS OF PLANNED DEVELOPMENT	1		1			5
11	INDIA'S EXTERNAL RELATIONS	1		1			5
12	CHALLENGES TO AND RESTORATION OF THE CONGRESS SYSTEM	1				1	7
13	THE CRISIS OF DEMOCRATIC ORDER				1		4
14	REGIONAL ASPIRATIONS					1	6
15	RECENT DEVELOPMENTS IN INDIAN POLITICS T					1	6
	TOTAL	**12**	**12**	**20**	**12**	**24**	**80**

FMM

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills- IV	1	1	2
2	Self-Management Skills- IV	2	1	3
3	Information and Communication Technology Skills- IV	1	1	2

4	Entrepreneurial Skills- IV	1	1	2
5	Green Skills- IV	1	1	2
TOTAL QUESTIONS		**6**	**5**	**11**
NO. OF QUESTIONS TO BE ANSWERED		**Any 4**	**Any 3**	**07**
TOTAL MARKS		**1 x 4 = 4**	**2 x 3 = 6**	**10 MARKS**

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES.- I	SHORT ANS. TYPE QUES. -II	DESCRIPTIVE/ LONG ANS. TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	Introduction to Indian Securities Market and Trading Membership	7		1	1	9
2	Trading	7	1	1	1	10
3	Clearing and Settlement, Legal Framework	7	1	1	1	10
4	Financial Statement Analysis	5	1			6
5	Introduction to Derivatives	1	1		1	3
6	Future Contracts, Mechanism and Pricing	5	1		1	7
TOTAL QUESTIONS		**32**	**5**	**3**	**5**	**45**
NO. OF QUESTIONS TO BE ANSWERED		**26**	**Any 3**	**Any 2**	**Any 3**	**34**
TOTAL MARKS		**1 x 26= 26**	**2 x 3 = 6**	**3 x 2 = 6**	**4 x 3 = 12**	**50 MARKS**

MASS MEDIA STUDIES

PART A - EMPLOYABILITY SKILLS (10 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANSWER TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	
1	Communication Skills- IV	-	-	-
2	Self-Management Skills- IV	2	2	4
3	Information and Communication Technology Skills- IV	2	1	3
4	Entrepreneurial Skills- IV	2	2	4

5	Green Skills- IV	-	-	-
TOTAL QUESTIONS		**6**	**5**	**11**
NO. OF QUESTIONS TO BE ANSWERED		**Any 4**	**Any 3**	**07**
TOTAL MARKS		**1 x 4 = 4**	**2 x 3 = 6**	**10 MARKS**

PART B - SUBJECT SPECIFIC SKILLS (50 MARKS):

UNIT NO.	NAME OF THE UNIT	OBJECTIVE TYPE QUESTIONS	SHORT ANS. TYPE QUES.- I	SHORT ANS. TYPE QUES.- II	DESCRIPTIVE / LONG ANS. TYPE QUESTIONS	TOTAL QUESTIONS
		1 MARK EACH	2 MARKS EACH	3 MARKS EACH	4 MARKS EACH	
1	**SELLING/MARKETING/EXHIBITING A PRODUCT THROUGH ADVERTISING**	10	1	1	2	14
2	**INTRODUCTION TO THE PRODUCTION PROCESS**	10	1	1	1	13
3	**NEW MEDIA**	5	2	--	1	08
4	**CREATIVE CONTRIBUTIONS OF THE KEY PEOPLE**	7	1	1	1	10
TOTAL QUESTIONS		**32**	**5**	**3**	**5**	**45**
NO. OF QUESTIONS TO BE ANSWERED		**26**	**Any 3**	**Any 2**	**Any 3**	**34**
TOTAL MARKS		**1 x 26= 26**	**2 x 3 = 6**	**3 x 2 = 6**	**4 x 3 = 12**	**50 MARKS**

ARTIFICIAL INTELLIGENCE

Ch.No	Chapter Name	Objective Type 1 Mark Each	Short Questions 2 Marks Each	Long Questions 4 Marks Each	Total Questions
	Part - A EMPLOYABILITY SKILLS (10 Marks)				
1	Communication Skills - IV	1	1	-	2
2	Self Management Skills - IV	2	1	-	3
3	ICT Skills-IV	1	1	-	2
4	Entrepreneurial Skill - IV	1	1	-	2
5	Green Skill - IV	1	1	-	2
	TOTAL QUESTIONS	**6**	**5**	**-**	11

	NO. OF QUESTIONS TO BE ANSWERED	**Any 4**	**Any 3**	**-**	**Any 7**
	TOTAL MARKS	**1 X 4 = 4**	**2 X 3 = 6**	**-**	**10 Marks**
	Part - B SUBJECT SPECIFIC SKILLS (40 Marks)				
2	Data Science Methodology	5	**1**	**1**	4
3	Making Machines See	5	1	--	10
5	Introduction to Big Data & Data Analytics	3	1	1	11
6	Understanding Neural Networks	**5**	**1**	**1**	11
7	Generative AI	**3**	**1**	**1**	
8	Data Storytelling	**3**	**1**	**1**	
	TOTAL QUESTIONS	**24**	**6**	**5**	
	NO. OF QUESTIONS TO BE ANSWERED	**Any 20**	**Any 4**	**Any 3**	**Any 27**
	TOTAL MARKS	**1 X 20 = 20**	**2 X 4 = 8**	**4 X 3 = 12**	**40 Marks**

INFORMATION TECHNOLOGY

Ch.No	Chapter Name	Objective Type 1 Mark Each	Short Questions 2 Marks Each	Long Questions 3 Marks Each	DESCRIPTIVE / LONG ANS. TYPE QUESTIONS 4 Marks Each	Total Questions
	Part - A EMPLOYABILITY SKILLS					
1	Communication Skills - IV	1	1	-		2
2	Self Management Skills - IV	2	4	-		3
3	Basic ICT Skills-IV	1	1	-		2
4	Entrepreneurial Skills - IV	**1**	**1**			2
5	Green Skills - IV	**1**	**1**			2
	TOTAL QUESTIONS	**6**	**5**	**-**		11
	NO. OF QUESTIONS TO BE ANSWERED	**Any 4**	**Any 3**	**-**		**7**
	TOTAL MARKS	**1 X 4 = 4**	**2 X 3 = 6**	**-**		**10 Marks**
	Part - B SUBJECT SPECIFIC SKILLS					
1	Database Concepts	**10**	**2**	**1**	**1**	**14**
2	Operating Web Based Applications	**9**	**0**	**0**	**1**	**10**
3	Fundamental of Java Programing	12	2	1	3	18
4	Work Integrated Learning IT	1	1	1	0	3
	TOTAL QUESTIONS	**32**	**5**	**3**	**5**	**45**
	NO. OF QUESTIONS TO BE ANSWERED	**Any 26**	**Any 3**	**Any 2**	**Any 3**	**34**

	TOTAL MARKS	**1 X 26 = 26**	**2 X 3 = 6**	**3 x2 =6**	**4x3=12**	**50 Mark**

PHYSICAL EDUCATION

UNIT	NAME OF THE CHAPTER	1 Mark	2 Mark	3 Mark	4 Mark	5 Mark	Total
Unit: 1	**Management of Sporting Events**	**2 (2)**	**1 (2)**	**---**	**---**	**1 (5)**	**4 (9)**
Unit: 2	**Children & Women in Sports**	**2 (2)**	**1 (2)**	**1 (3)**	**---**	**---**	**4 (7)**
Unit: 3	**Yoga as Preventive Measure for Lifestyle Disease**	**2 (2)**	**---**	**1 (3)**	**1 (4)**	**---**	**4 (9)**
Unit: 4	**Physical Education and Sports for CWSN (Children with Special Needs – DIVYANG)**	**2 (2)**	**1 (2)**	**---**	**1 (4)**	**---**	**4 (8)**
Unit: 5	**Sports and Nutrition**	**1 (1)**	**1 (2)**	**---**	**---**	**1 (5)**	**3 (8)**
Unit: 6	**Test and Measurement in Sports**	**2 (2)**	**1 (2)**	**1 (3)**	**---**	**---**	**4 (7)**
Unit: 7	**Physiology and Injuries in Sports**	**1 (1)**	**---**	**1 (3)**	**---**	**1 (5)**	**3 (9)**
Unit: 8	**Biomechanics and Sports**	**2 (2)**	**---**	**---**	**---**	**1 (5)**	**3 (7)**
Unit: 9	**Psychology and Sports**	**2 (2)**	**1 (2)**	**1 (3)**	**---**	**---**	**4 (7)**
Unit: 10	**Training in Sports**	**2 (2)**	**---**	**1 (3)**	**1 (4)**	**---**	**4 (9)**
	Total	**18 (18) MCQ**	**5 (10) OUT of 6 (12)**	**5 (15) OUT of 6 (18)**	**3 (12) Internal Choice**	**3 (15) OUT of 4 (20)**	**34 (70) OUT of 37 (80)**

FINE ARTS

Sr No.	TOPICS	MCQ (1 Mark)	SHORT ANSWER (2 Marks)	LONG ANSWER (6 Marks)	TOTAL (30Marks)
1	**Rajasthani School of Painting**	1	2		3
2	**Pahari School**	1	2		3
3	**Mughal School of art**	2	2	-6	10
4	**Deccan School of miniature painting**	1	2		3
5	**Bengal School of art**	2	2	6	10
6	**Modern Indian Art**	1			1
	Total	8	10	12	30

HINDUSTANI MUSIC PERCUSSION

NO	TOPICS	MCQ (1MARKS)	SHORT ANSWER (2MARKS)	LONG ANSWER (6MARKS)	TOTAL MARKS (30)
1	UTHAN, LAYAKARI AND ITS VARIETIES	1	1	-	03
2	COMPARATIVE STUDY OF THE FOLLOWING: CHAUTALA-EKTALA JHAPTALA-SULTALA	2	1	-	04
3	BRIEF DESCRIPTION OF GHARANAS OF TABLA OR PAKHAWAJ, HISTORY OF TABLA	2	1	1	10
4	BIOGRAPHIES OF PANDIT KISHAN MAHARAJ, AND USTAD ZAKIR HUSSAIN, RAJA CHATRAPATI SINGH, GURU PURUSHOTAM DAS.	1	-	1	07
5	WRITING NOTATION OF THE PRESCRIBED TALAS AND COMPOSITIONS, RECOGNITION OF TALAS FROM GIVEN PORTION OF THE THEKAS AND COMPOSITIONS. PRESCRIBE TALAS: TEENTALA OR ADI TALA, RUPAK OR TEVRA	2	2	-	06
	TOTAL	8	10	12	30

LEGAL STUDIES